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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) Rotor means for centrifuging reaction vessels containing reaction mixtures in a device for asymmetric heating and cooling of reaction mixtures during centrifugation, characterised in that the rotor means (5) are adapted for centrifuging reaction mixtures arranged in at least one microtitre plate (12) and comprise/-s at least one fan blade (18), which force ambient gas to pass the reaction mixtures.

2. (original) Rotor means according to claim 1, wherein at least one gas conducting passage (17) is arranged in the rotor means (5) to conduct the gas to pass the reaction mixtures.

3. (currently amended) Rotor means according to claim 1 [[or 2]], wherein the rotor means (5) comprise/-s a base portion (6) and a lid portion (7), in between which an inner space (17) is formed wherein the fan blade/-s (18) are arranged.

4. (currently amended) Rotor means according to claim 1,

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[[2 or 3,]] wherein the lower region of the rotor means (5) is provided with at least one through hole (19) through which the gas may be drawn.

5. (currently amended) Rotor means according to ~~any one of the previous claims~~ claim 1, wherein the upper region of the rotor means (5) is provided with at least one through hole (20) through which the gas is let out.

6. (original) Rotor means according to claim 3, wherein the fan blade/-s (18) are arranged at the inside of the base portion (6) of the rotor means (5).

7. (original) Rotor means according to claim 3, wherein the fan blade/-s (18) are arranged at the inside of the lid portion (7) of the rotor means (5).

8. (original) Rotor means according to claim 2, wherein the at least one gas conducting passage is arranged to conduct the gas between the reaction mixture-containing wells (15) of the microtitre plate (12).

9. (currently amended) Rotor means according to ~~any one of~~

~~the previous claims~~ claim 1, wherein a plate (11), is arranged to support the at least one microtitre plate.

10. (original) Rotor means according to claim 9, wherein the plate (11) has indentations corresponding to the apices of the wells of the microtitreplate.

11. (currently amended) Rotor means according to ~~any one of the previous claims~~ claim 1, wherein the gas is ambient air.

12. (currently amended) Rotor means according to ~~any one of the previous claims~~ claim 1, wherein cooling means (24) is provided to cool the ambient gas.

13. (currently amended) Device for asymmetric heating and cooling of reaction mixtures during centrifugation, characterised in that it comprises rotor means (5) according to ~~any one of the previous claims~~ claim 1.